(C) QUESTEL 1994
QUESTEL.ORBIT (TM) 1998 10/06/02 22*31*51

Selected file: PLUSPAT

**** SS 1: Results 1**

1 / 1 *PLUSPAT - ©QUESTEL-ORBIT*
PN - **US6202870** B1 20010320 [**US6202870**]
TI - (B1) Venting cap
IN - (B1) PEARCE WOODROW W (US)
AP - US27791899 19990329 [1999US-0277918]
PR - US27791899 19990329 [1999US-0277918]
IC - (B1) B65D-051/16
EC - B65D-051/16E3
PCL - ORIGINAL (O) : 215307000; CROSS-REFERENCE (X) : 215235000
215310000 215329000 215341000 215343000 215349000 215902000
220367100 220810000
DT - Basic
CT - US2162455; US2608841; US2739724; US3589545; US3696958; US3717276;
US3944104; US3976216; US4121728; US4190170; US4598835; US4789074;
US4880127; US5152419; US5257708; US5460763; US5542585; US5730306;
US5743420; US5785196; US5803286; US5853096; US5961010; US5996859;
CA721124; DE27360; FR1571958; FR1424586; GB586919
Closures & Containers Magazine, "A Look At Venting," date unknown,
pp. 14-15.

Closures & Containers Magazine, "The Need for Vented Closures,"
Jan./Feb., 1996, 2 pages.
STG - (B1) U.S. Patent (no pre-grant pub.) after Jan. 2, 2001
AB - A bottle cap is provided that allows for venting of gases
generated in a bottle. A single or multiple ridges are formed on
the inner surface of the cap top such that the ridges sit on the
bottle mouth rim when the cap is threaded onto the bottle. A
single or multiple slots may be formed across each of the ridges.
Alternatively, a single or multiple grooves may be formed on the
inner surface of the cap top. The ridge(s) or groove(s) may also
be formed on a disc fitted over the inner surface of the cap top.
When the cap is threaded on to the bottle, gases generated in the
bottle can escape through the slot(s) formed across the ridge(s)
or through the groove(s) formed on the inner surface of the cap
top. A liner having an opening formed through its thickness may be
placed in the cap. The liner opening allows the passage of gases
from the bottle to the slot(s) or groove(s) formed on the cap top
or disc.
UP - 2001-14

1 / 1 *LGST - ©LEGSTAT*
PN - US 6202870 [US6202870]
AP - US 277918/99 19990329 [1999US-0277918]
DT - US-P
ACT - 19990329 US/AE-A
APPLICATION DATA (PATENT)
US 277918/99 19990329 [1999US-0277918]

20010320 US/BA
PATENT (NO PREVIOUS PRE-GRANT PUBLICATION)

20020402 US/RF
REISSUE APPLICATION FILED
20011128
UP - 2002-17

1 / 1 *CRXX - ©CLAIMS/RRX*
PN - 6,202,870 A 20010320 [US6202870]
PA - Pearce, Woodrow W
ACT - 20011128 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20020402
REISSUE REQUEST NUMBER: 09/995483
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 3727

Reissue Patent Number:

1 / 1 *PAST - ©Thomson Derwent*
AN - 200214-001632
PN - 6202870 A [US6202870]
OG - 2002-04-02
ACT - REISSUE APPLICATION FILED

Selected file: INPADOC

**** SS 1: Results 1**

1 / 1 *INPADOC - ©INPADOC*
PN - US 6202870 BA 20010320 [US6202870]
TI - VENTING CAP
IN - PEARCE WOODROW W [US]
PA - PEARCE WOODROW W [US]
AP - US 277918/99-A 19990329 [1999US-0277918]
PR - US 277918/99-A 19990329 [1999US-0277918]
IC - B65D-051/16

1 / 1 *LEGALI - ©LEGSTAT*
PN - US 6202870 [US6202870]
AP - US 277918/99 19990329 [1999US-0277918]
DT - US-P
ACTE - 19990329 US/AE-A
APPLICATION DATA (PATENT)
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20010320 US/BA
PATENT (NO PREVIOUS PRE-GRANT PUBLICATION)

20020402 US/RF
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20011128
UP - 2002-17

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